

Khushwin Ujoodha

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EXPERIENCE

Member of Technical Staff, Android Engineer

Jul. 2025 – Present

Microsoft AI (GroupMe)

Redmond, WA

- Driving **Android 15 (API 35)** implementation to ensure global compliance and platform feature adoption for **10 million+** active users.
- Achieved a **7.2% reduction in application crash rates** post-deployment by optimizing lifecycle management and implementing proactive memory profiling.
- Architected a real-time **Presence Status** feature using **WebSockets, Kotlin Coroutines, and StateFlow**, resulting in a **14%** measurable increase in user chat engagement.
- Leading migration from legacy XML views to **Jetpack Compose**, leveraging AI-assisted development workflows to accelerate delivery of declarative UI components.

Software Engineer

Aug. 2023 – Jul. 2025

Microsoft (Teams)

Seattle, WA

- Engineered the backend-to-mobile bridge for a high-priority growth experiment, successfully onboarding **150,000+** new users from Enterprise to the Teams Free tier.
- Engineered **Kotlin Coroutines and Flow-based** synchronization pipelines for real-time messaging, reducing data-propagation latency and ensuring consistency across 200+ Android hardware profiles.
- Collaborated cross-functionally with backend, design, and product teams to architect scalable mobile components, improving release velocity via modular feature flags.

Software Engineer Intern

Jun. 2022 – Aug. 2022

Microsoft (Outlook)

Redmond, WA

- Designed and implemented the **first Jetpack Compose UI component** in Outlook Android, establishing foundational architecture for the app's modernization efforts.
- Optimized existing **XML layouts** and migrated legacy modules to declarative UI, enhancing code maintainability and developer velocity.

Mobile Developer (Flutter)

Jan. 2021 – Mar. 2022

Zunko (formerly Afreeca Invest)

Remote

- Founding engineer for a cross-continental FinTech platform; scaled through a **1,000-user Beta launch**, integrating real-time market data via WebSocket, secure asset-trading APIs with token-based auth, and compliance-driven data handling.
- Engineered high-performance mobile features using **Flutter/Dart**, focusing on reactive UI patterns and low-latency network calls.

PROJECTS

Sci-Rank | Flutter, Dart, Flask, Python, NLP

2023

- Developed an NLP-driven application to perform **sentiment analysis** on academic journals, ranking semantic impact via a Python microservice.
- Utilized asynchronous state management to deliver real-time data visualizations of word-ranking metrics to the mobile interface.

EDUCATION

Clark University

Worcester, MA

Bachelor of Science in Computer Science

2019 – 2023

- Athletics: **Varsity Swimming Team**. Honors: **Dean's List** (2019–2021).

TECHNICAL SKILLS

Specializations: Agentic Coding Setup, Mobile System Architecture, Reactive UI Patterns, Performance & Crash Analysis, CI/CD Pipeline Design

Languages: Kotlin, Java, Dart, Swift, C#, C++, C, JavaScript (ES6+), XML, SQL, Python

Frameworks: Jetpack Compose, Flutter, SwiftUI, Android SDK, Kotlin Coroutines, Flow, ROOM, Retrofit, Hilt/Dagger, Django, Flask

Infrastructure: PostgreSQL, MongoDB, WebSockets, Firebase, REST APIs

Tools & CI/CD: Git, Docker, GitHub Actions, Bitrise, Firebase Test Lab, VS Code, Android Studio